NESTAR SYSTEMS, INCORPORATED
CLUSTER/ONE MODEL A (TM)
INTERNAL NOTE   (Rev. 1)

TALK Version 1.1

The program TALK allows you to converse with other network stations that
are running the same program. Once a conversation is established, you
merely type lines to be sent to other members of the conversation and
lines that they type appear, appropriately labeled, on your screen.

Control commands may be entered at any time by preceding input lines with
">" or "." (or sometimes "%".) Available commands are described below.

For sending commands use:

```
     >TO nn msg            (sends msg to station nn)
     >TO ALL msg           (sends msg to all known stns)
     >TO name msg          (sends msg to named ring (list of stns))
     >TEMP TO name msg     (sends msg w/o overriding current ring)
     msg                   (sends msg to current ring)
```

>TO nn ... and >TO name... specify a station or "ring" (see below) to
which the message is to be sent. In addition, that destination station
or ring is remembered and used in subsequent transmissions, until >TO is
specified again. The current >TO destination is temporarily overridable
by >TEMP TO....

A ring is list of station numbers with an associated name. The name is
an abbreviation for the list of numbers and >TO name... causes the
message to be sent to all members of the ring. Rings are built and
modified with the commands:

```
     >RING name = list     (defines a ring.  list is nn (a station number)
                            or name (name of a ring) or name+list or
                            or nn,list... or name,list... or name-list
                            or nn+list or nn-list...)
     >DELETE name          (deletes a ring)
     >VERIFY name          (probes the network for all stations in the
                            rings and deletes those which aren't accepting
                            messages)
     >THIS IS name         (identifies current user to the system and
                            establishes a (one member) ring that others
                            may send msgs to by name)
```

Current rings can be displayed using:

```
     >SHOW RING            (lists current (default) ring)
     >SHOW RINGS           (lists all rings)
```

```
                    >SHOW name           (lists named ring)
                    >SHOW ALL            (lists all known stations)
                    >SHOW STATION        (displays number of this station)


       Other commands are:

                    >HELP                (displays information on how to use
                                          the talk program)
                    >QUIT                (removes your station from other's rings
                                          before QUITing the program)
                    >LOG filename        (writes a copy of all outgoing and
                                          incoming messages to filename.TEXT)
                    >UNLOG               (turns off logging)
                    >AWAY msg            (sets local station to automatically
                                          respond to any incoming messages with
                                          the specified message (or with a
                                          default message if none is given) as
                                          in >AWAY I have gone to lunch until 1:00)
                    >BACK                (cancels AWAY)

                    >EXEC filename
                 or %filename            (takes commands from filename.TEXT)

                    >NOECHO cmd          (suppresses echo of %filename cmd)
                    >PRINT text          (prints <text> on the local screen)
                    ;comment             (comment; rest of line ignored
```

TALK may be used on networks with or without Nestar file servers. If a
file server is present then the following commands may be used.

```
                    >JOIN name           (adds this station to the named RING and
                                          obtains from the file server the list
                                          of current members of the ring)
                    >NFS cmd             (sends a file server command to the file server,
                                          as in NFS SHOW DATE)
```

TALK may be used with more than one network in the station at one time.
If more than one network is present the following commands may be used.

```
                    >SLOT n cmd          (does <cmd> in slot n instead of current slot)
                    >SET SLOT n          (resets the current slot to n for subsequent
                                          commands)
                    >SHOW SLOT           (shows which is the current slot.  The current
                                          slot is initialized to the highest slot in the
                                          station which has a Nestar network card)
                    >SHOW SLOTS          (show which slots have network cards present)
```

Command files may be used to drive TALK at anytime by entering %filename
or >EXEC filename. The command file may contain any legal TALK commands
including messages to be sent to other stations. When TALK is run it
automatically executes the command file #4:TALKCMD or if that is not
present PASCAL:TALKCMD. These files may be used as 'profile' command

files to execute commonly used setup commands for TALK. An example
TALKCMD file might have the following contents.

```
>print doing talkcmd command file
;
>exec pascal:talkcmd
; the following 2 commands only necessary if there is no NFS
>noecho ring everyone = 1,2,3,4,5
>noecho verify everyone
;
>noecho this is jim
;
>print current stations talking are:
>noecho show everyone
```

Note that <escape> in any input causes program abort.